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Amendments to the Claims

1.   (Currently Amended) A method of transporting bifurcated voice and signaling data over a network, comprising the steps of:
identifying, for each communication link to be established respective signaling data and voice data; and
transmitting said signaling data via a first ~~medium~~ network and said voice data via a second ~~medium~~ network, wherein the first network is different from the second network.

2.   (Currently Amended) The method of claim 1, wherein said first ~~medium~~ network is a wireless network.

3.   (Currently Amended) The method of claim 1, wherein said second ~~medium~~ network is a data packet network ~~medium~~.

4.   (Original) The method of claim 1, further comprising the steps of:
communicating said signaling data to a switch.

5.   (Original) The method of claim 1, further comprising:
communicating said voice data to a switch.

6.   (Original) The method of claim 3, wherein said voice data is subject to compression processing compatible with a wireless network.

7.   (Original) The method of claim 5, wherein said step of communicating is made via a base station system.

8.   (Original) The method of claim 5, wherein said step of communicating is made via a packet/circuit switch.

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9.   (Original) The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

10.   (Original) The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

11.   (Currently Amended) In a communication system for transporting bifurcated voice and signaling traffic over a network, a method comprising the steps of:

segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and a called party; and

transmitting said voice traffic via said communications link established by a controller, said voice traffic and said signaling traffic being carried via different communication ~~channels~~ networks.

12.   (Currently Amended) The method of claim 11, wherein one of said communication ~~channels~~ networks is a data packet network.

13.   (Original) The method of claim 12, wherein said voice traffic is carried by said data packet network.

14.   (Original) The method of claim 13, wherein said voice traffic is subject to compression processing compatible with a wireless network.

15.   (Currently Amended) The method of claim 11, wherein one of said ~~second~~ communication ~~channels~~ networks is a wireless network

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16.   (Original) The method of claim 15 wherein said signaling traffic is carried by said wireless network.

17.   (Original) The method of claim 11, wherein said controller is a switch.

18.   (Original) The method of claim 11, wherein said signaling traffic is transmitted to said controller via a base station system.

19.   (Original) The method of claim 11, wherein said voice traffic is communicated to said controller via a packet/circuit switch.

20.   (Original) The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

21.   (Original) The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

22.   (Currently Amended) The method of claim 11 further comprising the step of:
       switching the voice traffic to the same communication ~~channel~~ network as the signaling traffic when loss of local power is detected.

23.   (Currently Amended) In a communication system for transporting bifurcated voice and signaling traffic between a calling party and called party, a method comprising the steps of:
       identifying a call request;
       establishing a signaling link to a switch via a first transport ~~medium~~ network and

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PAGE 9/23 * RCVD AT 2/11/2004 3:17:51 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:732 530 9808 * DURATION (mm-ss):05-36

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establishing a voice path to said switch via a second transport ~~medium~~ network

responsive to a determination that said called party answers, said first transport network

being different from said second transport network.

24.   (Currently Amended) The method of claim 23, wherein said first ~~medium~~ network

is a wireless network.

25.   (Currently Amended) The method of claim 24, wherein signaling ~~data~~ traffic is

transmitted over said wireless network.

26.   (Currently Amended) he method of claim 23, wherein said second ~~medium~~

network is a data packet network.

27.   (Currently Amended) The method of claim 26, wherein voice ~~data~~ traffic is

communicated over said data packet network.

28.   (Currently Amended) The method of claim 27, wherein said voice ~~data~~ traffic is

subject to compression processing compatible with a wireless network.

29.   (Currently Amended) The method of claim 23 further comprising the step of:
       switching the voice ~~data~~ traffic to the same ~~medium~~ network as the signaling ~~data~~

traffic when loss of local power is detected.

30.   (Original) The method of claim 23, wherein said steps of identifying and said first

and second steps of establishing are performed via a Media Terminal Adapter-Cellular

Transceiver (MTA-CT) having integrated MTA and CT portions.

31.   (Original) The method of claim 23, wherein said steps of identifying and said first

and second steps of establishing are performed via a Media Terminal Adapter-Cellular

Transceiver (MTA-CT) having non-integrated MTA and CT portions.

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32.   (Original) A communications system comprising:
a device for providing bifurcated voice and signaling traffic over a network; and
a packet/circuit switch for converting data packets to circuit switched traffic.

33.   (Original) The communications system of claim 32, wherein said device is a
Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and
CT portions.

34.   (Original) The communications system of claim 32, wherein said device is a
Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT
portions.

35.   (Currently Amended) A computer readable medium storing a software program,
that when executed by a computer, causes the computer to perform a method
comprising:
    segregating signaling traffic and related voice traffic including information useful
in establishing a communications link for transporting said voice traffic between a calling
party and called party; and
    transmitting said voice traffic via said communications link established by a
controller, said voice traffic and said signaling traffic being carried via different
communication channels networks.

36.   (Original) The computer readable medium of claim 35, wherein said controller is
a switch.

37.   (Original) The computer readable medium of claim 35, wherein said
signaling traffic is communicated via a wireless network.

38.   (Original) The computer readable medium of claim 35, wherein said

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voice traffic is communicated via a data packet network.

39.   (Original) The computer readable medium of claim 38, wherein said voice traffic

is subject to compression processing compatible with a wireless network.

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